



DATE: April 18, 2017

CATEGORY: Consent

DEPT.: Community Services

TITLE: **Replacement of Eagle Pool Chlorine System and Safety Component Upgrades to Rengstorff Pool System**

RECOMMENDATION

Appropriate \$40,500 in the Park Land Dedication Fund (Fiscal Year 2015-16 interest earnings) to replace chlorination system at Eagle Park Pool and make required safety modifications to the chlorination system at Rengstorff Park Pool. (Five votes required)

BACKGROUND

The Recreation Division is responsible for the operation and maintenance of two pools: Eagle Park Pool and Rengstorff Park Pool. Eagle Park Pool is heavily utilized year-round by the public and community groups such as Los Altos Mountain View Aquatic Club (LAMVAC) and Masters Swim Club (Masters). During the spring and summer, the Recreation Division also opens up Rengstorff Park Pool for the public and community groups. During these months, swim lessons are also offered at each pool.

Eagle Park Pool currently has an X-Gen chlorine system that was installed in early 2012. The system was originally installed due to its ability to generate chlorine on-site. This lowers costs by reducing the frequency of having chemicals delivered to the site. It also reduces the amount of chemicals that need to be stored. However, over the past year, the system has not been able to generate enough chlorine to keep up with pool use. Staff is purchasing additional chlorine to supplement the system on a regular basis.

The cost to purchase chlorine is approximately three to five times higher than generating it on-site. Over the last two years, staff has been manually adding chlorine with increased frequency as the system has continually been unable to keep up with pool use. This is causing staff to exceed the maintenance and supply budget for the aquatics program.

In addition to the cost of materials, the system is in a constant need of service. Staff spends one to two hours each day ensuring the system is operating properly and

chlorine levels are being maintained. When larger issues arise, a contractor is called to make repairs. Over \$10,000 has been spent on emergency repair costs this fiscal year, not including regular maintenance costs.

Due to the existing system not generating enough chlorine on-site and creating additional long-term costs and safety concerns, staff recommends replacing the chlorine system at Eagle Park Pool.

ANALYSIS

Staff consulted with several pool system vendors familiar with the Eagle Pool chlorination system. Based on input regarding the ease of installation, capacity, and cost, staff determined that the NexGen40 system made by ChlorKing was the most cost-effective replacement for the current system at Eagle Pool.

This system typically costs \$45,000 to \$65,000, which does not include labor. ChlorKing has offered the NexGen40 system at a significant discount. They will work with our existing service/repair company to install it. The NexGen40 can be easily swapped with the existing system and will not require extensive modifications to other mechanical equipment. The new system will be installed and tested in one to two days. Because this project will be occurring at the beginning of the pool's busiest season, staff recognizes there may be a need for evening/night work, which will increase project costs. To prepare for this, a project contingency of 25 percent has been added to the total project cost.

The chlorination system at Rengstorff Park Pool is a different type of system than the one at Eagle Park Pool. It is operating as needed and able to keep up with demand from pool use. However, based on a regular inspection by the California Department of Public Health of both facilities, it was determined that both chlorination systems were lacking a mechanical feeder for disinfectants. The feeder for Eagle Pool will be addressed in the replacement of that system. Staff is also recommending that this feature be added to the Rengstorff Park Pool chlorination system in order to be in compliance with current codes. This improvement will cost an additional \$5,000 for Rengstorff Park Pool. The funding is being requested with the Eagle Park Pool chlorination system so that all work can be completed at the same time by one contractor.

FISCAL IMPACT

The cost of the new NexGen40 chlorination system at Eagle Park Pool, new automatic chemical feeders at both pools, installation, testing, and labor of all components totals \$40,500. This total includes City administration costs and 25 percent project contingency. There are sufficient funds available in the Park Land Dedication Fund for this project.

ALTERNATIVES

1. Direct staff to continue to use existing system and request appropriate budget for ongoing service and chemical supplies.
2. Provide direction to staff.

PUBLIC NOTICING – Agenda posting.

Prepared by:

Shaun Chilkotowsky
Recreation Supervisor

John R. Marchant
Recreation Manager

Approved by:

J.P. de la Montaigne
Community Services Director

Audrey Seymour Ramberg
Assistant City Manager

SC-JRM/CV/7/CAM
211-04-18-17CR-E